AMENDMENTS TO THE SPECIFICATION

Please replace first, second and third full paragraphs on page 5 with the following:

~~The~~ Either one, or both, of the above-mentioned programmable logic ~~circuit(s) is/are~~ circuits may be of the field programmable gate array (FPGA) type. Like a microprocessor, an FPGA circuit is a component that is programmable by software. The use of this type of fast component in association with a programmable processor makes it possible to design generic real time process simulators adaptable to any type of process, i.e. to any type of electronic unit and to their conditions of use.

The simulator also comprises an analog-to-digital converter enabling digital signals representative of analog signals as generated by the unit to be forwarded to the microprocessor, and/or it comprises a digital-to-analog converter enabling analog simulation signals to be forwarded to the unit on the basis of digital signals generated by the microprocessor.

~~The~~ Either one, or both, of the above-mentioned logic ~~circuit(s) is/are~~ circuits may be programmed as a function of the intended type and/or use of the unit.